

complex, as the diversity of networks and underlying technologies increase, and the

adaptive behavior of applications becomes more sophisticated. In this paper, we present NIST Net, a tool to facilitate testing and experimentation with network code through emulation. NIST Net enables experimenters to model and effect arbitrary performance dynamics (packet delay, jitter, bandwidth limitations, congestion, pac ...

NetPrIDE an integrated environment for developing and visualizing computer network



protocols

Pilu Crescenzi, Giorgio Gambosi, Gaia Innocenti

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In this paper we present NetPrIDE, an integrated development environment for designing, implementing and visualizing computer network protocols, which has primarily been used for teaching computer networks. NetPrIDE makes use of an abstract and formal notation to clearly and firmly specify a protocol: once the protocol has been specified and the network topology has been fixed, the implementation and the visualization of the protocol is performed in a completely automated way.

Keywords: Java, computer network, protocol, software visualization

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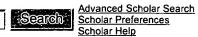
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